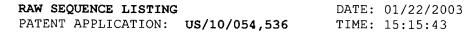05-90
01/6   # 6

OIPE

RAW SEQUENCE LISTING   DATE: 01/22/2003
PATENT APPLICATION: **US/10/054,536**   TIME: 15:15:43

Input Set : **A:\33614.txt**
Output Set: **N:\CRF4\01222003\J054536.raw**

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 4 <110> APPLICANT: Wakamiya, Nobutaka
 6 <120> TITLE OF INVENTION: RECOMBINANT HUMAN MANNAN-BINDING PROTEINS AND PROCESS
 7       FOR PRODUCING THE SAME
 9 <130> FILE REFERENCE: 19036/36614
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/054,536
C--> 12 <141> CURRENT FILING DATE: 2002-01-22
14 <150> PRIOR APPLICATION NUMBER: PCT/JP98/03311
15 <151> PRIOR FILING DATE: 1998-07-23
17 <150> PRIOR APPLICATION NUMBER: JP 10-11864
18 <151> PRIOR FILING DATE: 1998-01-23
20 <160> NUMBER OF SEQ ID NOS: 28
22 <170> SOFTWARE: PatentIn Ver. 2.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 3605
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
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31 <222> LOCATION: (66)..(809)
33 <220> FEATURE:
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35 <222> LOCATION: (126)..(809)
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40 ggacc atg tcc ctg ttt cca tca ctc cct ctc ctt ctc ctg agt atg gtg 110
41       Met Ser Leu Phe Pro Ser Leu Pro Leu Leu Leu Leu Ser Met Val
42        -20              -15                  -10
44 gca gcg tct tac tca gaa act gtg acc tgt gag gat gcc caa aag acc    158
45 Ala Ala Ser Tyr Ser Glu Thr Val Thr Cys Glu Asp Ala Gln Lys Thr
46  -5              -1   1               5                    10
48 tgc cct gca gtg att gcc tgt agc tct cca ggc atc aac ggc ttc cca   206
49 Cys Pro Ala Val Ile Ala Cys Ser Ser Pro Gly Ile Asn Gly Phe Pro
50              15                20                25
52 ggc aaa gat ggg cgt gat ggc acc aag gga gaa aag ggg gaa cca ggc   254
53 Gly Lys Asp Gly Arg Asp Gly Thr Lys Gly Glu Lys Gly Glu Pro Gly
54          30                35                40
56 caa ggg ctc aga ggc tta cag ggc ccc cct gga aag ttg ggg cct cca   302
57 Gln Gly Leu Arg Gly Leu Gln Gly Pro Pro Gly Lys Leu Gly Pro Pro
58       45                50                55
60 gga aat cca ggg cct tct ggg tca cca gga cca aag ggc caa aaa gga   350
61 Gly Asn Pro Gly Pro Ser Gly Ser Pro Gly Pro Lys Gly Gln Lys Gly
62 60                65                70                   75
64 gac cct gga aaa agt ccg gat ggt gat agt agc ctg gct gcc tca gaa   398
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ENTERED

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 65 Asp Pro Gly Lys Ser Pro Asp Gly Asp Ser Ser Leu Ala Ala Ser Glu
 66                 80              85                  90
 68 aga aaa gct ctg caa aca gaa atg gca cgt atc aaa aag tgg ctg acc     446
 69 Arg Lys Ala Leu Gln Thr Glu Met Ala Arg Ile Lys Lys Trp Leu Thr
 70             95              100             105
 72 ttc tct ctg ggc aaa caa gtt ggg aac aag ttc ttc ctg acc aat ggt     494
 73 Phe Ser Leu Gly Lys Gln Val Gly Asn Lys Phe Phe Leu Thr Asn Gly
 74         110             115             120
 76 gaa ata atg acc ttt gaa aaa gtg aag gcc ttg tgt gtc aag ttc cag     542
 77 Glu Ile Met Thr Phe Glu Lys Val Lys Ala Leu Cys Val Lys Phe Gln
 78     125             130             135
 80 gcc tct gtg gcc acc ccc agg aat gct gca gag aat gga gcc att cag     590
 81 Ala Ser Val Ala Thr Pro Arg Asn Ala Ala Glu Asn Gly Ala Ile Gln
 82 140             145             150                 155
 84 aat ctc atc aag gag gaa gcc ttc ctg ggc atc act gat gag aag aca     638
 85 Asn Leu Ile Lys Glu Glu Ala Phe Leu Gly Ile Thr Asp Glu Lys Thr
 86             160             165             170
 88 gaa ggg cag ttt gtg gat ctg aca gga aat aga ctg acc tac aca aac     686
 89 Glu Gly Gln Phe Val Asp Leu Thr Gly Asn Arg Leu Thr Tyr Thr Asn
 90         175             180             185
 92 tgg aac gag ggt gaa ccc aac aat gct ggt tct gat gaa gat tgt gta     734
 93 Trp Asn Glu Gly Glu Pro Asn Asn Ala Gly Ser Asp Glu Asp Cys Val
 94         190             195             200
 96 ttg cta ctg aaa aat ggc cag tgg aat gac gtc ccc tgc tcc acc tcc     782
 97 Leu Leu Leu Lys Asn Gly Gln Trp Asn Asp Val Pro Cys Ser Thr Ser
 98     205             210             215
100 cat ctg gcc gtc tgt gag ttc cct atc tgaagggtca tatcactcag           829
101 His Leu Ala Val Cys Glu Phe Pro Ile
102 220             225
104 gccctccttg tctttttact gcaacccaca ggcccacagt atgcttgaaa agataaatta  889
106 tatcaatttc ctcatatcca gtattgttcc ttttgtgggc aatcactaaa aatgatcact  949
108 aacagcacca acaaagcaat aatagtagta gtagtagtta gcagcagcag tagtagtcat 1009
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122 caaattctca cacacataca tacctatata ctcactttct agattaagat atgggacatt 1429
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136 tttcactacc tatccaggag tggaactggt agaggatgag gaaagcatgt attcagcttt 1849
138 agtagatatt accagttttc ctaagtgatt gtatgaattt atgctcctac cggcaatgtg 1909
140 tggcagtcct agatgctcta tgtgcttgta aaaagtcaat gttttcagtt ctcttgattt 1969
142 tcattattcc tgtggatgta aagtgatatt ccccatggt tttaatctgt atttccccaa 2029
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144 catgtaataa ggttgaacac ttttttatat gcttattggg cacttgggta tcttcttctg 2089
146 tgaagtaccc gttcacattt ttgtattttg tttaaattag ttagccaata ttttttcttac 2149
148 tgatttttaa gttattttta cattctgaat atgtcctttt taatgtgtat tacaaatatt 2209
150 ttgctagttt ttgacttgct cctaatgttg aattttgatg aacaaaattt cctaattttg 2269
152 agaaagtctt atttattcat attttctttc aaaattagtg cttttttgtgt catgtttaag 2329
154 aaattttgc ccatcccaaa atcataagat attttttcatg attttgaaac catgaagaga 2389
156 ttttttcatga ttttgaaatc atgaagatat ttttccattt ttttctaata gttttattaa 2449
158 taaacattct atctattcct ggtagaatag atatccactt gagacagcac tatgtaggaa 2509
160 agaccatttt tcctccactg aactagggtg gtgcattttt gtaagttagg taactgtatg 2569
162 tgtgtgtgtc tgtttctggg ctgtctattc tagtctattt gttgatgctt gtgtcaaaca 2629
164 gtacactatc ttaattattg tacatttata gttgtaactg tagtccagct ttgttcttct 2689
166 tcaagtcaag atttccatat aaatattaga aacagtttct caatttctac aaaatcctga 2749
168 tgaggtttct actgggacca cattgagtct atcaatcaac ttatgcagaa ctggcaactt 2809
170 actactgaat ctctaatcaa tgttcatcat gtatcgcttc atttaactag gatttctcta 2869
172 acttaattgc tatgtttttga gattttttagt ttaaaaacct tgtatatctt gttttggtgg 2929
174 ttttagtgat tttaataata tattttaaat attttttctt ttctattgtt gtacacagaa 2989
176 atacagttaa gttttgtgtg tagtcttacg atgtttagta acctcaataa gtttatttct 3049
178 taaatctagt aatttgtaga ttcctctgga ttttgtatat gcatagtcat gtaagctgaa 3109
180 aaatatggcaa tacttgcttc ttcccaattg ctttaccttt tttcttacct tattgcactg 3169
182 gttagcaacc ccaatacaga gaccaccaga gcaggtatag actcctgaaa gacaatataa 3229
184 tgaagtgctc cagtcaggcc tatctaaact ggattcacag ctctgtcact taattgctac 3289
186 atgatctaga gccagttact ttgtgtttca gccatgtatt tgcagctgag agaaaataat 3349
188 cattcttatt tcatgaaaat tgtgggggatg atgaaataag ttaacaccct taaagtgtgt 3409
190 agtaaagtat caggatacta tattttaggt cttaatacac acagttatgc cgctagatac 3469
192 atgctttta atgagataat gtgatattat acataacaca tatcgatttt taaaaattaa 3529
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196 aaaaaaaaaa aaaaaa                                              3605
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200 <211> LENGTH: 747
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 2
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207 gaaactgtga cctgtgagga tgcccaaaag acctgccctg cagtgattgc ctgtagctct 120
209 ccaggcatca acggcttccc aggcaaagat gggcgtgatg gcaccaaggg agaaaagggg 180
211 gaaccaggcc aagggctcag aggcttacag ggcccccctg gaaagttggg gcctccagga 240
213 aatccagggc cttctgggtc accaggacca aagggccaaa aaggagaccc tggaaaaagt 300
215 ccggatggtg atagtagcct ggctgcctca gaaagaaaag ctctgcaaac agaaatggca 360
217 cgtatcaaaa agtggctgac cttctctctg ggcaaacaag ttgggaacaa gttcttcctg 420
219 accaatggtg aaataatgac ctttgaaaaa gtgaaggcct tgtgtgtcaa gttccaggcc 480
221 tctgtggcca cccccaggaa tgctgcagag aatggagcca ttcagaatct catcaaggag 540
223 gaagccttcc tgggcatcac tgatgagaag acagaagggc agtttgtgga tctgacagga 600
225 aatagactga cctacacaaa ctggaacgag ggtgaaccca caatgctgg ttctgatgaa 660
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229 ctggccgtct gtgagttccc tatctga                                   747
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233 <211> LENGTH: 41
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence

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237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: sense DNA
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247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense DNA
252 <400> SEQUENCE: 4
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256 <210> SEQ ID NO: 5
257 <211> LENGTH: 29
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: sense DNA
264 <400> SEQUENCE: 5
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268 <210> SEQ ID NO: 6
269 <211> LENGTH: 29
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: antisense DNA
276 <400> SEQUENCE: 6
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281 <211> LENGTH: 37
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' sense
287        primer (PS1)
289 <400> SEQUENCE: 7
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293 <210> SEQ ID NO: 8
294 <211> LENGTH: 32
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: 3' antisense
300        primer (PS2)
302 <400> SEQUENCE: 8
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306 <210> SEQ ID NO: 9
307 <211> LENGTH: 31
308 <212> TYPE: DNA
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321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
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325 <223> OTHER INFORMATION: Description of Artificial Sequence: sense DNA
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334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
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339 <400> SEQUENCE: 11
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343 <210> SEQ ID NO: 12
344 <211> LENGTH: 41
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346 <213> ORGANISM: Artificial Sequence
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349 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' sense
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361 <220> FEATURE:
362 <223> OTHER INFORMATION: Description of Artificial Sequence: 3' antisense
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372 <213> ORGANISM: Artificial Sequence
374 <220> FEATURE:
375 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' sense
376       primer (PN1)
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/054,536**

DATE: 01/22/2003
TIME: 15:15:44

Input Set : **A:\33614.txt**
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L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date